

WO 8604916

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XRAM Acc No: C86-102791

Bitumen-polymer binder cationic emulsions - using N-contg. emulsifier system contg. N-contg. carboxylic acid salt as sequestering agent

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Number of Countries: 018 Number of Patents: 017

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8604916	A	19860828	WO 86FR40	A	19860212	198636 B
FR 2577546	A	19860822	FR 852212	A	19850215	198640
AU 8654534	A	19860910				198649
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Priority Applications (No Type Date): FR 852212 A 19850215

Cited Patents: EP 80928; FR 1458754; FR 1576697; FR 2249915; FR 2479019

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 8604916	A	F	53	
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Designated States (National): AU BR DK JP NO US

Designated States (Regional): AT BE CH DE GB IT LI NL SE

EP 214171	A	F	
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US 5268029	A	16	C08L-095/00	Cont of application US 89425379
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				Based on patent WO 8604916
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Abstract (Basic): WO 8604916 A

Novel cationic emulsions comprise a dispersion of bitumen/polymer type binder as organic phase in an aq. phase contg. a cationic N-contg. emulsifier, an acid to give a pH 3-9 and an additive comprising a water soluble polyfunctional N-contg. carboxylic acid salt having, in pH range 3-9, a sequestering power w.r.t. metal ions equiv. to a fixation of at least 5 mg Ca++ ions per g. of salt. The emulsifying system is also claimed.

USE/ADVANTAGE - The emulsions are used e.g. for road applications. Use of the additive in the emulsifying system overcomes the harmful influence of interactions between solvent and emulsifier and between solvents and salts contained in the water. (53pp Dwg.No.0/0)

Title Terms: BITUMEN; POLYMER; BIND; CATION; EMULSION; N; CONTAIN; EMULSION ; SYSTEM; CONTAIN; N; CONTAIN; CARBOXYLIC; ACID; SALT; SEQUESTER; AGENT

Derwent Class: A93; L02; Q41

International Patent Class (Main): B01F-017/16; C08L-095/00

International Patent Class (Additional): B01F-017/18; B01F-017/22; B01F-017/28; B01F-017/42; B01J-013/00; C04B-024/12; C04B-026/26; C08K-005/17; E01C-007/24

File Segment: CPI; EngPI